

ABSTRACT

In a process installation having a plurality of field devices FLS, PS, CU, which exchange data with a control room CR via a signal line SL, wherein the signal line SL is designed for a conventional, first data transmission technology having a low data transmission rate (less than 10,000 baud), at least one field device CU applies, for data transmission with the control room CR, a second data transmission technology, which permits a greater data transmission rate and/or more functionality than the first transmission technology and which uses the existing signal line SL as the communication medium.

TRANSLATION OF GERMAN ACRONYMS IN THE DRAWINGS

Figs. 1 and 2:

Change "FA" (all occurrences) to --FLS--;

Change "FP" (all occurrences) to --PS--;

Change "U1...U5" to --CU1...CU5--;

Change "FB" (all occurrences) to --LC--;

Change "RA1" to --C1--; and

Change "W" to --CR--.

Fig. 2:

Change "U1u" to --CU1n--;

Change "U2u" to --CU2n--;

Change "T" to --S--;

Change the upper "RN1" to --CN1--; and

Change the lower "RN1" to --CN2--.